Project Design Phase-I Proposed Solution

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| Date | 19 September 2022 |
| Team ID | PNT2022TMID42634 |
| Project Name | A Novel method for handwritten digit recognition system |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

Project team shall fill the following information in proposed solution template.

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| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be  solved) | With the progress in the field of science and technology,everything is being digitized to reduce human effort.Hence there comes the need for handwritten digit recognition system in real time applications |
| 2. | Idea / Solution description | Various AI/ML packages are used to analyse, train  the model based on the problem statement. The major goal of the proposed system is understanding Convolutional Neural Network, and applying it to the handwritten recognition system |
| 3. | Novelty / Uniqueness | It can recognize different varieties of handwriting  patterns. |
| 4. | Social Impact / Customer Satisfaction | This system can be used to recognize the number  plates in vehicles, postal codes & phone numbers |
| 5. | Business Model (Revenue Model) | We are building a service that can be integrated  into any application and pricing model will be based |
| 6. | Scalability of the Solution | This can be extended to recognizing letters in  English as a base testing and even extended to different |